



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/684,167

10/10/2003

Andrew T. Wilson

5038-293

2311

32231

7590

04/08/2011

MARGER JOHNSON & MCCOLLOM, P.C. - Intel
210 SW MORRISON STREET, SUITE 400
PORTLAND, OR 97204

EXAMINER

DONELS, JEFFREY

ART UNIT

PAPER NUMBER

2832

NOTIFICATION DATE

DELIVERY MODE

04/08/2011

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@techlaw.com

Office Action Summary	Application No. 10/684,167	Applicant(s) WILSON, ANDREW T.	
	Examiner Jeffrey Donels	Art Unit 2832	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10/8/10.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 11-15,27-30 and 32-42 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 11-15,27-30 and 32-42 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 11-15, 27-30,32-42 are pending in the Application. Prosecution is reopened after new grounds of rejection entered by the Board of Patent Appeals and Interferences.

The Office Action mailed 1/5/11 was sent in error. The period of time for response will be reset and new grounds of rejection follow.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 11-15,27-30,32-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito (USPGP 2003/012401) in view of Sitrick (USP 6084168).

Ito discloses a mixer apparatus, comprising plural apparatus 10,20,30,40 in physical proximity with each other and capable of at least one-way communication therebetween of an audio score (Fig. 1), comprising: an audio score synthesis mechanism 10,20,30 including a playing mechanism 15,27,37,53 for playing the synthesized audio score; an audio score mixing mechanism 40 coupled with said synthesis mechanism for mixing plural audio scores from 10,20,30 to produce another audio score having components of each of the

Art Unit: 2832

plural audio scores; and an audio score input mechanism (47; S50) coupled with said mixing mechanism to provide one or more input audio scores thereto for mixing with the synthesized and outplayed played audio score (Fig. 5), said synthesis mechanism, said mixing mechanism and said input mechanism being operable in real time to create a playable audio score having components of plural audio scores produced by said plural proximate apparatus.

It does not explicitly disclose at least two such apparatus having an audio score mixing mechanism; i.e. configuring of the apparatus 10,20,30,40 as either a "master" or as a "slave" in the system.

Sitrick discloses a music compositions communication system which comprises workstations 105 which can be configured as either a master of a network or as a slave in a network of workstations (Col. 9, lines 44-48; Col. 14, lines 48-63; Col. 16 lines 60-66; Col. 17 lines 3-12), as is known in the art to be desirable so as to allow for different musicians to be able to shift control of the overall performance based on the circumstance or particular song being played.

Sitrick also discloses that each workstation (for example, Fig. 1A) comprises a memory 115 for storing audio scores (Col. 8 lines 7-40) which reads on a recording mechanism to store said playable audio score; and that a master mode (Col. 9, lines 30-40; Col. 17 lines 3-12) reads on an upload mechanism to upload said playable audio score to an external processor for at least one of editing, archival recording, outplaying, and CDROM programming.

Art Unit: 2832

It would have been obvious to one of ordinary skill in the art to adapt the teachings of Ito with those of Sitrick, as both inventions are narrowly directed to musical score devices with network functionality, and as it is known in the art to be desirable to allow for different musicians to be able to shift control of the overall performance based on the circumstance or particular song being played. As such, so as to facilitate the a change between the users from a role of "master" to "slave" in such a network of Ito/Sitrick combination devices, it would have been obvious to one of ordinary skill in the art to adapt the Ito/Sitrick combination so that each device would have a mixing mechanism, as it has been held that the mere duplication of working parts does not constitute nonobviousness (see M.P.E.P. 2144.04).

Regarding Claims 32- 42, Sitrick discloses: a central session host computer 105C, said central session host computer comprising said external processor 115 (Claim 32); wherein said central session host computer is proximate (Fig. 1A) to each of said plural proximate apparatus 105P (Claim 33); wherein said central session host computer is remote to each of said plural proximate apparatus (wireless, can be proximate or remote – Fig. 1A) (Claim 34); each of said plural proximate apparatus further comprising user controls (525,526, keyboard) to facilitate user selection of operational modes of music synthesis during playback of said playable audio score (Claim 35); wherein said user controls comprise front panel controls (keyboard, Fig. 5) (Claim 36);

Art Unit: 2832

wherein said front panel controls comprise at least one of a thumb pad and a keypad (keyboard, Fig. 5) (Claim 37); each of said plural proximate apparatus further comprising a display 510 to display a current musical selection (Claim 38); each of said plural portable musical apparatus further including user controls to facilitate user selection of operational modes of music synthesis during playback of said playable audio score, said user controls comprising a thumb pad and a keypad (525,526, keyboard) (Claim 39); each of said plural portable musical apparatus further including a display 510 to display a current musical selection (Claim 40); further comprising a central computer 105C, said central computer comprising said external processor 115, wherein said central computer is proximate (Fig. 1A) to each of said plural portable musical apparatus (Claim 41); further comprising a central computer 105C, said central computer comprising said external processor, wherein said central computer is remote to each of said plural portable musical apparatus (wireless, can be proximate or remote – Fig. 1A) (Claim 42).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Donels whose telephone number is (571)272-2061. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-2800 ext 32. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jeffrey Donels
Primary Examiner
Art Unit 2832

/Jeffrey Donels/
Primary Examiner, Art Unit 2832